

WHAT IS CLAIMED IS:

[0019] 1. A generator frame comprising:

[0020] a plurality of section plates axially spaced from one another for supporting a core of the generator;

[0021] a housing about marginal portions of said section plates extending in a direction generally perpendicular to the section plates and including a wall plate;

[0022] said section plates having a lattice area adjacent said wall plate defined by a plurality of openings in the section plates for flowing gases along and within the generator through the section plates;

[0023] at least one of said openings through one of the section plates being bounded in part by the wall plate;

[0024] 2. A generator frame according to Claim 1 including a plurality of openings in the section plate each bounded in part by the wall plate.

[0025] 3. A generator frame according to Claim 1 including a plurality of generally triangularly-shaped openings arranged such that apices and bases of the triangularly-shaped openings alternate in the plane of the one section plate adjacent said wall plate, leaving angled ligaments of said one section plate between the openings.

[0026] 4. A generator frame according to Claim 1 including a plurality of openings in the one section plate bounded in part by the wall plate and a plurality of laterally spaced ribs extending axially between said openings.

[0027] 5. A generator frame according to Claim 1 including a plurality of generally triangularly-shaped openings arranged such that apices and bases of the triangularly-shaped openings alternate in the plane of the one section plate adjacent said wall plate, leaving angled ligaments of said one section plate between the openings, said plurality of openings in the one section plate being bounded in part by the wall plate such that said plurality of openings lies unobstructed in an axial direction by any portion of the one section plate adjacent and perpendicular to said wall plate, and a plurality of laterally spaced, axially extending ribs extending between said openings and through the triangular openings having bases adjacent said wall plate.

[0028] 6. A generator frame according to Claim 5 wherein certain of said angled ligaments join one another adjacent apices of said openings and lie adjacent said wall plate, the apices of said certain ligaments being secured to said wall plate.

[0029] 7. A generator frame according to Claim 5 wherein said ribs extend generally normal to said section plates and have opposite marginal edges engaging said section plates adjacent apices thereof and said wall

plate substantially medially along the bases of the openings bounded by the wall plate.

[0030] 8. A generator frame according to Claim 7 wherein certain of said angled ligaments join one another adjacent apices of said openings and lie adjacent said wall plate, the apices of said certain ligaments being secured to said wall plate.

[0031] 9. A generator frame comprising:

[0032] a plurality of section plates axially spaced from one another for supporting a core of the generator;

[0033] a housing about marginal portions of said sectional plates extending in a direction generally perpendicular to the sectional plates and including a bottom plate;

[0034] said sectional plates having a plurality of openings through the section plates for flowing gases along and within the generator through the section plates;

[0035] at least one of said openings through one of the section plates being bounded in part by the bottom plate such that said one opening lies unobstructed in an axial direction by any portion of the one section plate adjacent said bottom plate.

[0036] 10. A generator frame according to Claim 9 including a plurality of openings in the section plate each bounded in part by the bottom plate such that said

plurality of openings lies unobstructed in an axial direction by any portion of the section plate adjacent said bottom plate.

[0037] 11. A generator frame according to Claim 9 including a plurality of generally triangularly-shaped openings arranged such that apices and bases of the triangularly-shaped openings alternate in the plane of the one section plate adjacent said bottom plate, leaving angled ligaments of said one section plate between the openings.

[0038] 12. A generator frame according to Claim 9 including a plurality of openings in the one section plate bounded in part by the bottom plate such that said plurality of openings lies unobstructed by any portion of the one section plate adjacent said bottom plate and a plurality of laterally spaced ribs extending axially between said openings.

[0039] 13. A generator frame according to Claim 9 including a plurality of generally triangularly-shaped openings arranged such that apices and bases of the triangularly-shaped openings alternate in the plane of the one section plate adjacent said bottom plate, leaving angled ligaments of said one section plate between the openings, said plurality of openings in the one section plate being bounded in part by the bottom plate such that said plurality of openings lies unobstructed in an axial direction by any portion of the one section plate adjacent said bottom plate, and a plurality of laterally spaced, axially extending ribs extending between said

openings and through the triangular openings having bases adjacent said bottom plate.

[0040] 14. A generator frame according to Claim 13 wherein certain of said angled ligaments join one another adjacent apices of said openings and lie adjacent said bottom plate, the apices of said certain ligaments being secured to said wall plate.

[0041] 15. A generator frame according to Claim 13 wherein said ribs extend generally normal to said section plates.